

AMENDMENTS TO THE CLAIMS:

1. (Previously presented) A structural improvement for an alert system which comprises:

a sensor that sends out signals to a control panel, said control panel consisting of an electronic device, a protection device and a warning device that receives signals from said sensor to protect users;

when a metal or magnetic material touches sensor's conductive material, said sensor's conductive material relays the signals to said control panel that starts said control panel's warning device to warn users with sounds or signals, and said control panel's protection device protects users from being hurt by said metal or magnetic material.

2. (Currently amended) The improved alert system of Claim 1, wherein said sensor is made of electroplated metal that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material, said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, prompting said warning device to warn users with sounds or signals and driving [[said]] a motor to inject gas into said control panel's protection device designed as an airtight chamber to protect users from being hurt by metal or magnetic material.

3. (Currently amended) The improved alert system of Claim 1, wherein said sensor is made of electroplated metal that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material, said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, prompting said warning system to warn users with sounds or signals and driving [[said]] a

motor to pressurize liquid inside said control panel's protection device out of said protection device to protect users from being hurt by metal or magnetic material.

4. (Currently amended) The improved alert system of Claim 1, wherein said sensor is made of electroplated metal that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material, said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, prompting said warning system to warn users with sounds or signals and driving [[said]]a motor to pressurize medicinal liquid inside said control panel's protection device out of said protection device to provide disinfection function.

5. (Currently amended) The improved alert system of Claim 1, wherein said sensor is a pressure sensor that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material, said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, prompting said warning system to warn users with sounds or signals and driving [[said]]a motor to inject gas into said control panel's protection device designed as an airtight chamber to protect users from being hurt by metal or magnetic material.

6. (Currently amended) The improved alert system of Claim 1, wherein said sensor is a pressure sensor that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material that changes pressure inside said pressure sensor; said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, prompting said control panel's warning system to warn users with sounds or signals and driving [[said]]a motor to pressurize liquid inside said control panel's protection device out of said protection device to protect users

from being hurt by metal or magnetic material.

7. (Currently amended) The improved alert system of Claim 1, wherein said sensor is a pressure sensor that sends out a signal to said control panel's electronic circuit when detecting any metal or magnetic material that changes pressure inside said sensor; said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, prompting said warning system to warn users with sounds or signals and driving [[said]]a motor to pressurize medicine liquid inside said control panel's protection device out of said protection device to provide disinfection function.

8. (Original) The improved alert system of Claim 1, wherein said control panel's warning device is a diode.

9. (Original) The improved alert system of Claim 1, wherein said control panel's warning device is a beeper.

10. (Currently amended) A structural improvement for an alert system which comprises:

a sensor capable of detecting a metal or magnetic material and sending out a signal to a control panel;

a micro-processor for receiving signals from said sensor, comparing said signals with a database's data to determine security of detected material, and sending out signals to said control panel;

wherein said control panel consists of an electronic device, a protection device and a warning device to receive signals from said micro-processor for protection; when said metal or magnetic material approaches said sensor, said sensor sends out

a signal to said micro-processor where a comparison between a detected result and said database is made; said sensor detecting any metal or magnetic material sends out a signal to said control panel which prompts said warning device to warn users with sounds or signals and said protection device to protect users from being hurt by metal or magnetic material.

11. (Currently amended) The improved alert system of Claim 10, wherein said sensor ~~[[is]]contains~~ a CCD image device that delivers~~-captured~~ image information to said micro-processor where a comparison between said image information and said database is made to judge existence of metal or magnetic material; said micro-processor detecting any metal or magnetic material then sends out a signal to said control panel, prompting said warning device to warn users with sounds or signals.

12. (Currently amended) The improved alert system of Claim 10, wherein said sensor contains a CCD image device and a thermal sensor that deliver~~[[ed]]s~~ image information and temperature information respectively to said micro-processor where a comparison between said information and database is made to judge existence of metal or magnetic material; said micro-processor detecting any metal or magnetic material sends out a signal to said control panel, prompting said warning device in the form of a diode to warn users with sounds or signals.

13. (Original) The improved alert system of Claim 10, wherein said control panel's warning device is a diode.

14. (Original) The improved alert system of Claim 10, wherein said control panel's warning device is a beeper.

15. (Previously presented) The improved alert system of Claim 10, wherein said

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control panel's protection device contains an airtight chamber, a motor for gas injection and electronic circuit gas injects; said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit gas injects, driving said motor to inject gas into said airtight chamber to protect users from being hurt by metal or magnetic material.

16. (Previously presented) The improved alert system of Claim 10, wherein said control panel's protection device contains a motor and liquid; said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, driving said motor to pressurize said liquid out of said protection device to protect users from being hurt by metal or magnetic material.

17. (Previously presented) The improved alert system of Claim 10, wherein said control panel's protection device contains a motor and medicinal liquid; said control panel receiving signals from said sensor relays the signals to said control panel's electronic circuit, driving said motor to pressurize said medicinal liquid out of said protection device to provide disinfection function.

18. (Currently amended) A structural improvement for an alert system, which comprises:

a sensor capable of detecting metal or magnetic material and sending out a signal to a control panel;

said control panel that receives signals from said micro-processor to protect users, consisting of an electronic device, a protection device and a warning device;

a metal or magnetic material combined with a non-metal material for detection;

an electromagnetic wave-proof device for isolating said combined metal or

magnetic material with non-metallic material from said sensor's detection;

wherein said sensor sends out said signal to said control panel when detecting any metal or magnetic material outside of said electromagnetic wave-proof device, and[[,]] where said warning device is prompted to warn users with sounds or signals and where said metal or magnetic material detected outside of said electromagnetic wave-proof device is then placed inside said electromagnetic wave-proof device to isolate said metal or magnetic material from said sensor's further detection to prevent signal error.

19. (Previously presented) The improved alert system of Claim 18, wherein said sensor is an electromagnetic wave sensor that sends out a signal to said control panel when detecting any metal or magnetic material, said electronic circuit receiving signals from said sensor prompts said control panel's warning device to warn users with sounds or signals with said metal or magnetic material placed inside said electromagnetic wave-proof device to isolate said sensor's detection.

20. (Previously presented) The improved alert system of Claim 18, wherein said electromagnetic wave-proof device is an isolation tub used to isolate detection of said sensor.

21. (Previously presented) The improved alert system of Claim 18, wherein said electromagnetic wave-proof device is a needle head cover used to isolate detection of said sensor.

22. (Previously presented) The improved alert system of Claim 18, wherein said electromagnetic wave-proof device is a pair of protection gloves for operating knives, designed for isolating said sensor's detection.

23. (Currently amended) The improved alert system of Claim 18, wherein said metal

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or magnetic material is combined with non-metal material for detection with is cotton as said non-metal material.

24. (Currently amended) The improved alert system of Claim 18, wherein said metal or magnetic material is combined with non-metal material for detection with is swab as said non-metal material.

25. (Currently amended) The improved alert system of Claim 18, wherein said metal or magnetic material is combined with non-metal material for detection with is suture as said non-metal material.

26. (Currently amended) The improved alert system of Claim 1, 10 and 18, wherein said sensor is equipped with a capacitance sensor that shows capacitance values depending on metal or magnetic materials sharpness or distance; varying with respect to the distance between the metal or magnetic and the sensor so as to detect metal or magnetic materials location that location of the metal or magnetic material is determined.